

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 B65B65/00 B65B31/02 F24F3/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 B65B F24F B01L B08B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 38 11 780 A (PRETTL ROLF) 19 October 1989 (1989-10-19) column 7, line 7 - column 8; figures 4-6	1,2
A		3,4
A	US 5 312 294 A (MELINE FRANCOIS) 17 May 1994 (1994-05-17) claim 5; figures 1,2	1,8

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

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\*P\* document published prior to the international filing date but later than the priority date claimed

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\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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\*G\* document member of the same patent family

Date of the actual completion of the international search

20 September 2004

Date of mailing of the international search report

28/09/2004

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
DE 3811780	A	19-10-1989	DE	3811780 A1	19-10-1989
US 5312294	A	17-05-1994	FR	2652520 A1	05-04-1991
			AT	118268 T	15-02-1995
			DE	69016793 D1	23-03-1995
			DE	69016793 T2	22-06-1995
			DK	494921 T3	10-04-1995
			EP	0494921 A1	22-07-1992
			ES	2071116 T3	16-06-1995
			WO	9105210 A1	18-04-1991
			JP	8033223 B	29-03-1996
			JP	5500849 T	18-02-1993